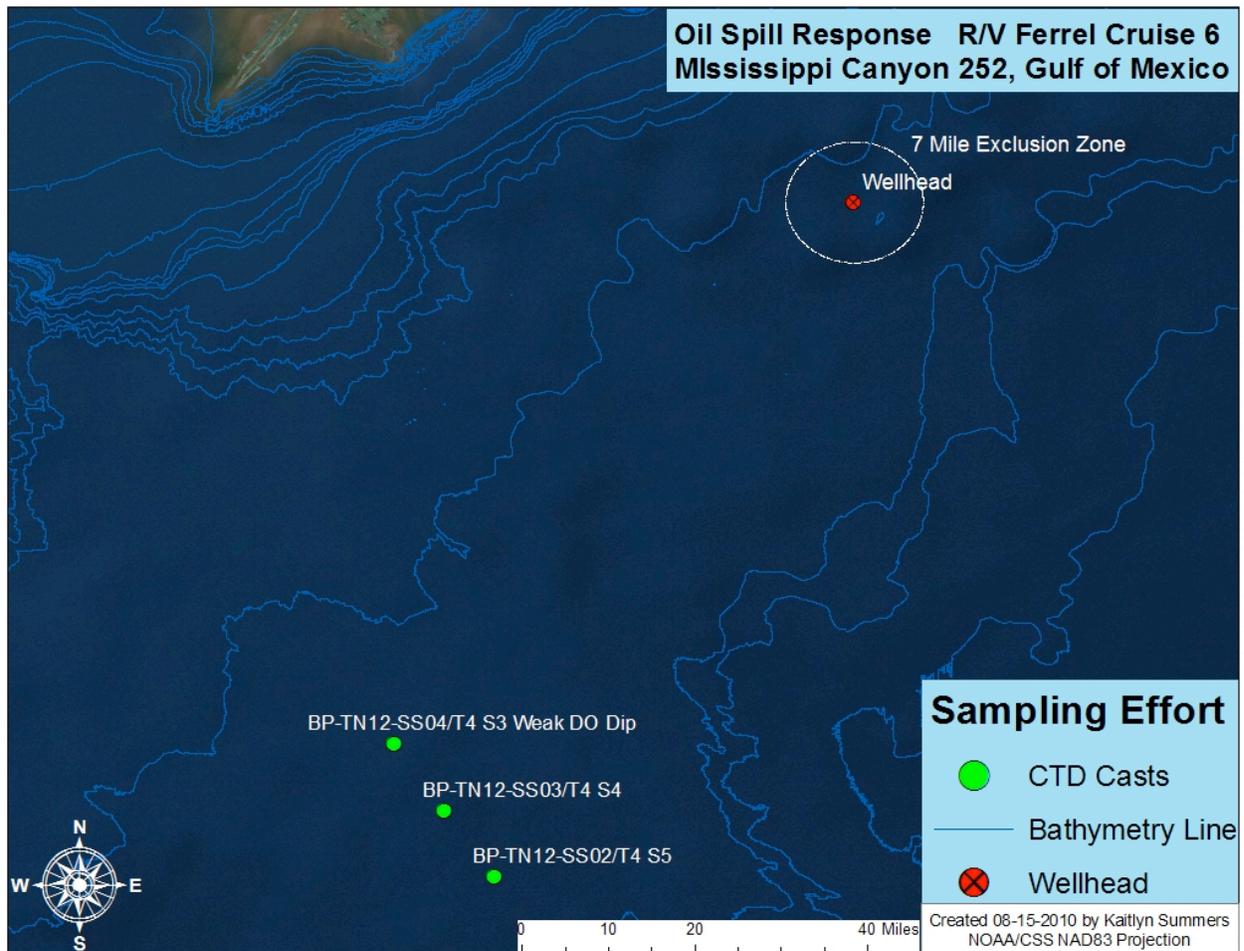


R/V Ferrel
Francine Reid and Dominique Joyner

1. Safety Meeting 6:30
2. Arrived at sampling station (07:00).
3. Sampling begins (08:00)
4. Three stations were sampled today with four samples per station, including surface samples.
5. The first sampling station from this transect was sampled yesterday (aug.14).
6. Fran=DNA, RNA, PLFA (MoBio filter), Dom=AODC, Stable Isotope, VOA Analysis, Nutrient Chemistry, Uncontaminated plume depth water, Culturing, PLFA (Sterivex filter),

Sampling Nomenclature:

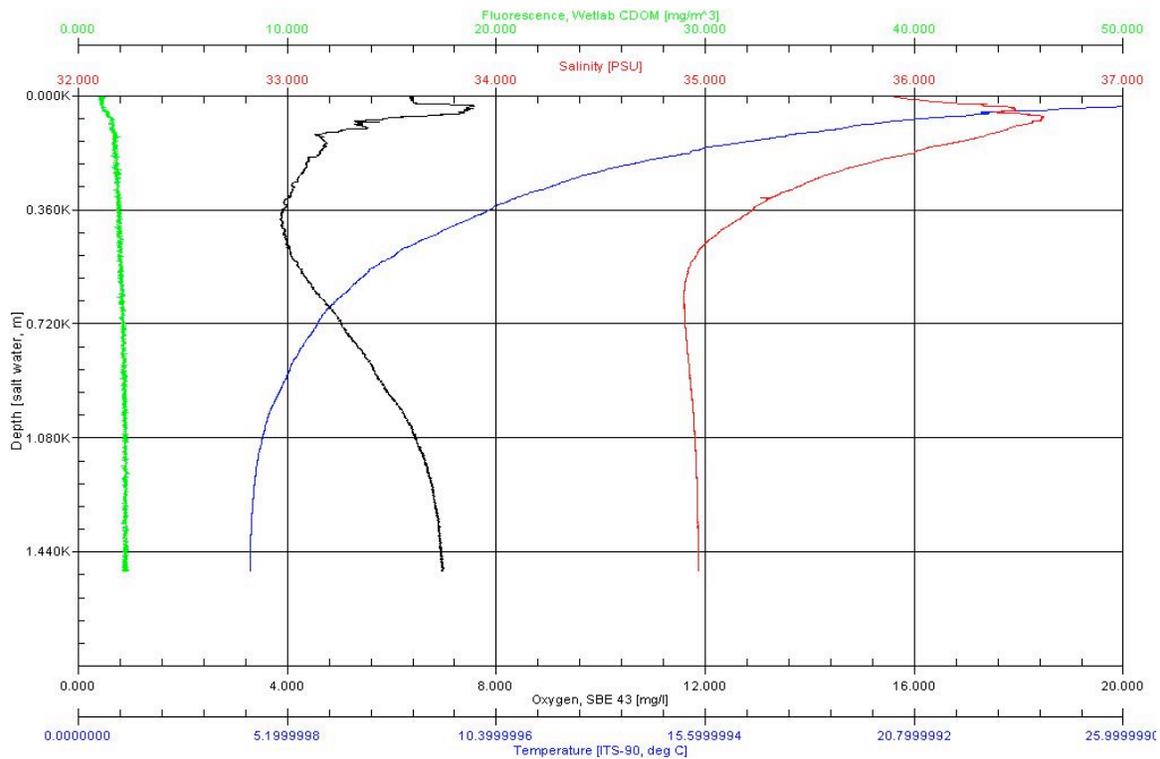
SW-YYYYMMDD-VesselMission#-SampleID
BP-TransectNumber##-SamplingSite##



First station

76 miles SSW of wellhead. No DO decline. Seabed at 1535m.

SW-20100815-FER7-xx
BP-TN12-SS02

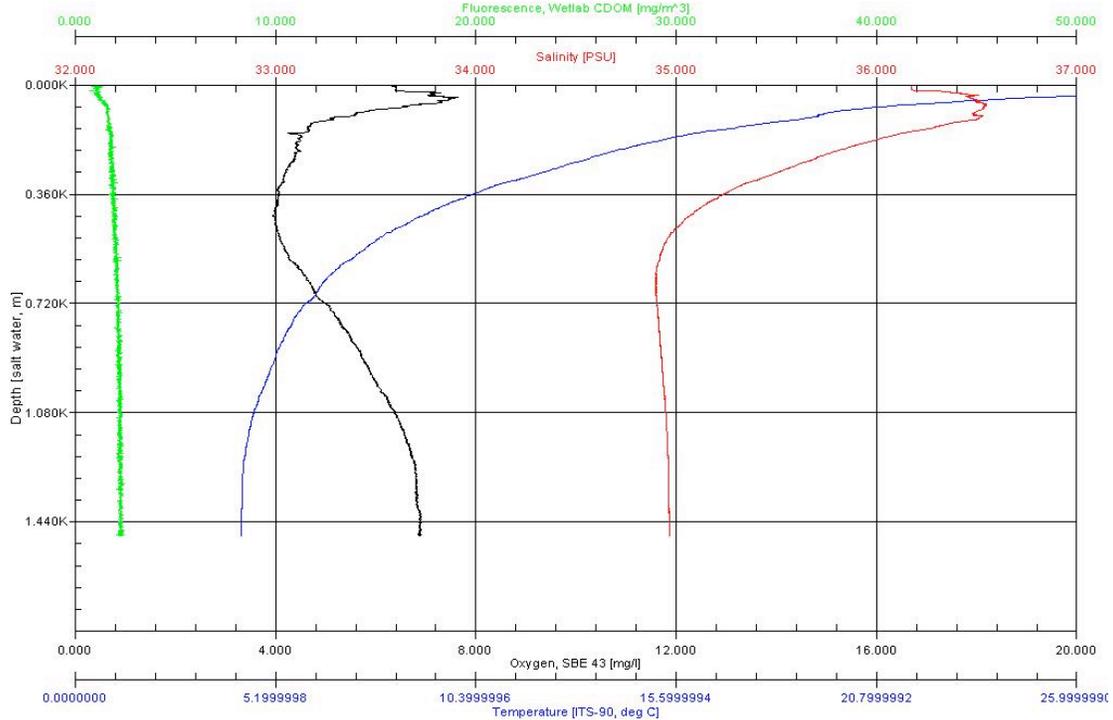


1. SW-20100815-FER7-01 (1300m)
BP-TN12-SS02
 - AODC, VOA Analysis, SIP, Nutrient Chemistry, PLFA (Sterivex 600mL)
2. SW-20100815-FER7-03 (1120m)
BP-TN12-SS02
 - DNA (4L), RNA (4L), PLFA (Sterivex 600mL + MoBio Filter 1.4L), AODC, VOA Analysis, SIP, Nutrient Chemistry
3. SW-20100815-FER7-05 (1000m)
BP-TN12-SS02
 - AODC, VOA Analysis, SIP, Nutrient Chemistry, PLFA (Sterivex 600mL)
4. SW-20100815-FER7-07 (Surface)
BP-TN12-SS02
 - DNA (4L), RNA (4L), PLFA (Sterivex 600mL + MoBio Filter 1.4L), AODC, VOA, SIP, Nutrient Chemistry

Second station

71 miles SSW of wellhead. No DO decline. Seabed at 1500m

SW-20100815-FER7-xx
BP-TN12-SS03

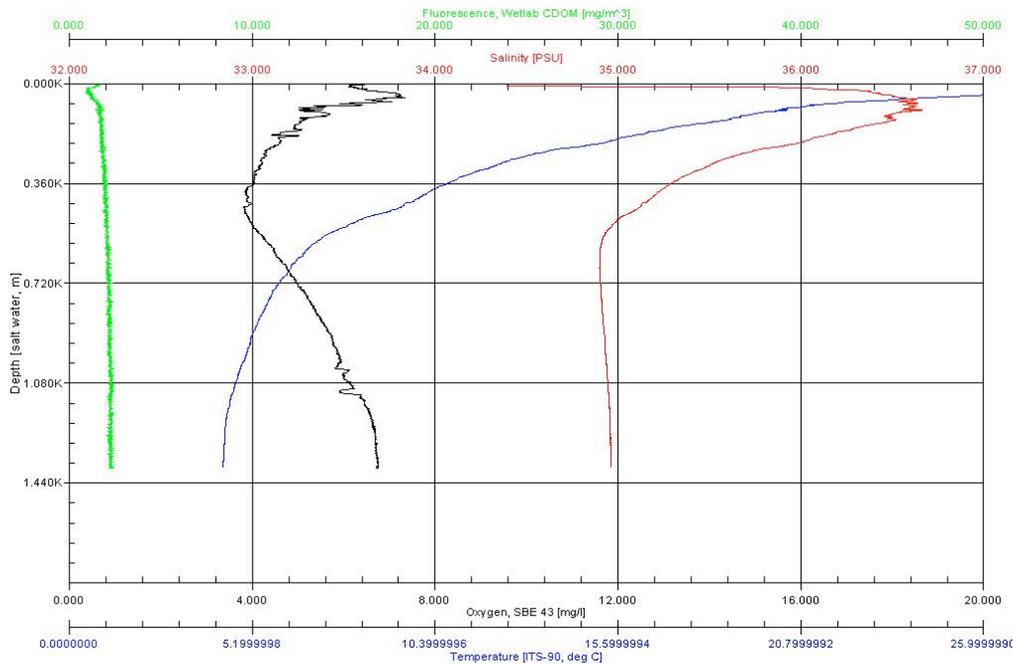


5. SW-20100815-FER7-**08** (1300m)
BP-TN12-SS03
 - AODC, VOA Analysis, Nutrient Chemistry, PLFA (Sterivex 600mL)
6. SW-20100815-FER7-**10** (1120m)
BP-TN12-SS03
 - DNA (4L), RNA (4L), PLFA (Sterivex 600mL + MoBio Filter 1.4L), AODC, VOA Analysis, Nutrient Chemistry
7. SW-20100815-FER7-**12** (1000m)
BP-TN12-SS03
 - AODC, VOA Analysis, Nutrient Chemistry, PLFA (Sterivex 600mL)
8. SW-20100815-FER7-**14** (Surface)
BP-TN12-SS03
 - DNA (4L), RNA (4L), PLFA (Sterivex 600mL + MoBio Filter 1.4L), AODC, VOA, Nutrient Chemistry

Third station

67 miles SSW from wellhead. DO decline with two narrow depressions of 0.4 mg/l at 1110m.
Seabed at 1402m.

SW-20100815-FER7-xx
BP-TN12-SS04



1. SW-20100815-FER7-**15** (1200m)
BP-TN12-SS04
 - DNA (4L), RNA (4L), PLFA (Sterivex 600mL + MoBio Filter 1.4L), AODC, VOA Analysis, Nutrient Chemistry
2. SW-20100815-FER7-**17** (1110m) ****DO-Dip****
BP-TN12-SS04
 - DNA (4L), RNA (4L), PLFA (Sterivex 600mL + MoBio Filter 1.4L), AODC, Stable Isotope, VOA Analysis, Nutrient Chemistry
 - 3 unfiltered water samples (1L each)
3. SW-20100815-FER7-**19** (1000m)
BP-TN12-SS04
 - DNA (4L), RNA (4L), PLFA (Sterivex 600mL + MoBio Filter 1.4L), AODC, Stable Isotope, VOA Analysis, Nutrient Chemistry
 -
4. SW-20100815-FER7-**20** (surface)
BP-TN12-SS04
 - DNA (4L), RNA (4L), PLFA (Sterivex 600mL + MoBio Filter 1.4L), AODC, Stable Isotope, VOA Analysis, Nutrient Chemistry